

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1) (currently amended) An acoustic waveguide for propagating sound radiation from an acoustic transducer ~~into an aperture termination, the mouth, from which sound is radiated having a throat and a mouth termination~~, wherein two or more sections along the length of said waveguide have bounding surfaces that are substantially Elliptic Cylinder and Prolate Spheroidal coordinates from the throat to the mouth.
- 2) (as amended) The waveguide of claim 1 having a first and second section wherein; the first waveguide section is Elliptic Cylinder and the second is Prolate Spheroidal.
- 3) (as amended) The waveguide of claim 1 wherein; the mouth termination has a radius.
- 4) (as amended) The waveguide of claim 2 wherein; the mouth termination has a radius.
- 5) (cancelled)
- 6) (cancelled)